SHUN HASEGAWA

Phone: +81 90-8487-8419 Email: shun1223ryuu0107@gmail.com

EDUCATION

Tokyo Institute of Technology, Tokyo, Japan Apr. 2018 - present
Ph.D. in Engineering
Research Advisor: Prof. Manabu Okumura
Research Interests: Natural Language Processing, Automatic Text Generation

Tokyo Institute of Technology, Tokyo, Japan Apr. 2016 - Mar. 2018
M.S. in Engineering

Tokyo Institute of Technology, Tokyo, Japan Apr. 2012 - Mar. 2016
B.S. in Computer Science

EXPERIENCE

Tokyo Institute of Technology Apr. 2012 - Mar. 2016, Jan. 2020 - present
Research Assistant, Tokyo, Japan

- Adapted training data construction method for English sentence compression to Japanese
- Developed a neural dialect translation method using low-resource data (1k parallel sentences)
- Proposed efficient data selection method for summarization that reduces 50% training time without performance regression

NTT Communication Science Laboratories Sep. 2016 - Dec. 2016
Research Intern, Nara, Japan

- Supervisor: Tsutomu Hirao
- Adapted sentence compression for pre-processing of sentence summarization

Tokyo Institute of Technology, Laboratory Server Admin Apr. 2016 - Mar. 2018
Group Leader, Tokyo, Japan

- Maintained and operated a group of 30 servers

PUBLICATIONS

[1] **Shun Hasegawa**, Hidetaka Kamigaito, and Manabu Okumura. Extractiveness-based data selection for abstractive sentence summarization. *In Information Processing Society of Japan (IPSJ) Natural Language Processing*, 2019. No peer review, **Young Researcher Award** (In Japanese).

[2] **Shun Hasegawa**, Shun Tanaka, Yuzi Yamamoto, Hiroya Takamura, and Manabu Okumura. Robust training framework for neural japanese dialect translation with pretraining and data abstraction. *In Information Processing Society of Japan (IPSJ) Natural Language Processing*, 2017. No peer review (In Japanese).

[3] **Shun Hasegawa**, Yuta Kikuchi, Hiroya Takamura, and Manabu Okumura. Japanese sentence compression with a large training dataset. *In The 55th annual meeting of the Association for Computational Linguistics (**ACL2017**)*, 2017. **Short Paper**.

[4] **Shun Hasegawa** and Toshiya Itoh. Optimal online algorithms for the multi-objective time series search problem. *Theoretical Computer Science*, 2017.

[5] **Shun Hasegawa** and Toshiya Itoh. Optimal online algorithms for the multi-objective time series search problem. *In The 10th International Conference and Workshop on Algorithms and Computation (WALCOM2016)*, 2016.

AWARDS and SCHOLARSHIPS

Young Researcher Award in IPSJ Natural Language Processing Jun. 2019
Tokyo Tech Tsubame Scholarship for Doctoral Students Apr. 2019 - Mar. 2021
Repayment Exemption for Outstanding Achievement, JASSO Type I scholarship (Exemption of all loan) May 2016

TECHNICAL SKILLS

Programming: Python, Bash, Pytorch (Proficient), C, Java (Advanced)